



## DESCRIPTION

Self-powered broad band amplifier for indoor use.

Amplifies signals of the following ranges: 47÷862 MHz and 950÷2300 MHz.

Amplification with positive slope (more gain in high frequencies, 4 dB in the RF band and 7 dB in the 1<sup>st</sup> IF SAT band) to compensate the cable attenuation.

Gain regulation in RF band.

Two independent outputs, the second one attenuated 10 dB with respect to the first one. It allows DC pass between outputs and input.

Includes return path, DISEC or 22 KHz.

The circuit is housed in a zamak box that ensures a high level of shielding.

Supply voltage	230 Vac ± 10 %
Power consumption	5.5 VA
Operating temperature range	0 ÷ 50°C

## TECHNICAL SPECIFICATIONS

MODEL	AD 2300			
Reference	36230			
Number of inputs	1			
Number of outputs	2			
Frequency range	MHz		950 ÷ 2300	
Gain	47 ÷ 862		950 ÷ 2300	
	47 MHz	862 MHz	950 MHz	2150 MHz
• Output 1	16	20	23	30
• Output 2	4	8	13	20
Max. output level DIN 4500 4B*			114	
			104	
• Output 1	108			
• Output 2	96			
Reflection coefficient	dB		6	
Gain regulation	dB		—	
Noise figure	dB		10	
Input / output impedance	Ω		75	
Return path frequency range	MHz		5 ÷ 30	
Return path through loss	dB		3,5 (Output 1)	
Input / output connectors	F (f)			
Max. current drawn	A		0,5	
Packing dimensions	mm		165 x 92 x 60	
Weight	Kg		0,4	

\* 950 ÷ 2300 MHz: IM3 at -35 dB  
47 ÷ 862 MHz: IM3 at -60 dB